


**INFORMATION DISCLOSURE
CITATION**

ATTY. DOCKET NO.

829-620

APPLICANT

SHIMADA et al

FILING DATE

February 4, 2004

SERIAL NO.

10/771,263

GROUP

2871

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
T.R.C.	4,431,272	2-1984	Yazawa et al.	349	113	
	4,451,525	5-1984	Kawazoe et al.	428	213	
	4,636,038	1-1987	Kitahara et al.	349	132	
	4,943,838	7-1990	Ukai	257	347	
	5,003,356	3-1991	Wakai et al.	257	390	
	5,045,905	9-1991	Motai et al.	257	352	
	5,072,262	12-1991	Uekita et al.	257	410	
	5,177,588	1-1993	li et al.	257	640	
	5,229,644	7-1993	Wakai et al.	257	749	
	5,246,782	9-1993	Kennedy et al.	428	421	
	5,281,546	1-1994	Possin et al.	438	158	
	5,287,208	2-1994	Shimoto et al.	349	123	
	5,294,820	3-1994	Gemma et al.	257	324	
	5,408,345	4-1995	Mitsui et al.	349	42	
	5,411,629	5-1995	Warfield	216	34	
	5,477,359	12-1995	Okazaki	349	130	
	5,486,493	1-1996	Jeng	438	623	
	5,500,750	3-1996	Kanbe et al.	349	113	
	5,576,630	11-1996	Fujita	324	760	
	5,585,951	12-1996	Noda et al.	349	122	

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* 05-4865-047	5-1982	EP			
T.R.C. ✓ 0 486 047 A2	5-1992	EP			
✓ 0 536 898 A1	4-1993	EP			
✓ 0 589 478 A2	3-1994	EP			
✓ 0 589 478 A3	3-1994	EP			
✓ 0 616 241 A2	9-1994	EP			
✓ 0 714 140 A1	5-1996	EP			
✓ 2 311 653 A	10-1997	GB			
✓ 63-279228 A	11-1988	JP			partial
✓ 63-289965 A	11-1988	JP			partial

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*Examiner

Date Considered

03/03/05

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Form PTO-FB-A820 (Also PTO-1449)

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T.R.C.	5,591,676	1-1997	Hughes et al.	438	702	
	5,600,458	2-1997	Okano et al.	349	41	
	5,641,974	6-1997	Den Boer et al.	257	059	
	5,675,187	10-1997	Numata et al.	257	758	
	5,721,596	2-1998	Kochi	349	42	
	5,721,601	2-1998	Yamaji et al.	349	138	
	5,724,111	3-1998	Mizobata et al.	349	112	
	5,780,874	7-1998	Kudo	257	77	
	5,821,621	10-1998	Jeng	257	759	
	5,844,647	12-1998	Maruno et al.	349	110	
	5,847,720	12-1998	Dunand	347	1	
	5,920,084	7-1999	Gu et al.	257	59	
	5,994,157	11-1999	Aggas et al.	438	30	
	5,994,721	11-1999	Zhong et al.	257	89	
	6,038,008	3-2000	Kim et al.	349	138	
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DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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✓	4-163528 A	6-1992	JP		partial
✓	4-257826 A	9-1992	JP		partial
✓	5-203936 A	8-1993	JP		partial
✓	10-133165 A	5-1998	JP		partial
✓	4-237092 A	8-1993	JP		partial
✓	5-142570 A	8-1993	JP		partial
✓	6-130418 A	5-1994	JP		partial
✓	6-208137 A	7-1994	JP		partial
✓	6-242467 A	9-1994	JP		partial
✓	6-250222 A	9-1994	JP		partial
✓	7-20496 A	1-1995	JP		partial
✓	7-84284 A	3-1995	JP		partial
✓	7-146491 A	6-1995	JP		partial
* ✓	6-346025 A	12-1994	JP		partial
✓	8-15731 A	1-1996	JP		partial

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*Examiner	<i>Chandley</i>	Date Considered	03/03/05
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	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
T.R.C. ✓	7-333634 A	12-1995	JP	/	/	partial	
✓	6-242433 A	9-1994	JP	/	/	partial	
✓	4-199029 A	7-1992	JP	/	/	partial	
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✓	5-158071 A	6-1993	JP	/	/	partial	
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✓	4-335617 A	11-1992	JP	/	/	partial	
✓	6-160902 A	6-1994	JP	/	/	partial	
✓	7-209670 A	8-1995	JP	/	/	partial	
✓	2-24624 A	1-1990	JP	/	/	partial	

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T.R.C. ✓	✓	Notice of Reasons for Rejection mailed March 21, 2000 in corresponding JP application No. 10-220219 (JP Patent No. 3247870)
T.R.C. ✓	✓	Notice of Final Rejection mailed December 26, 2000 in corresponding JP application No. 10-220219 (JP Patent No. 3247870)
	*	Decision on Appeal mailed October 12, 2001 in corresponding JP application No. 10-220219 (JP Patent No. 3247870)
T.R.C. ✓	✓	Opposition Proceedings mailed September 13, 2002 in corresponding JP application No. 10-220219 (JP Patent No. 3247870)
	*	Decision on Appeal mailed October 23, 2001 in corresponding JP application No. 10-220219 (JP Patent No. 3247870)
T.R.C. ✓	✓	Notice of Reasons for Rejection mailed March 21, 2000 in corresponding JP application No. 10-220220 (JP Patent No. 3253589)
	✓	Notice of Final Rejection mailed December 26, 2000 in corresponding JP application No. 10-220220 (JP Patent No. 3253589)
	✓	Decision on Appeal mailed October 23, 2001 in corresponding JP application No. 10-220220 (JP Patent No. 3253589)
	*	Notice of Reasons for Rejection mailed March 16, 2004 in corresponding JP application No. 2001-47716, which is a divisional appln. of JP 10-220219
T.R.C. ✓	✓	Notice of Reasons for Rejection mailed March 16, 2004 in corresponding JP application No. 2001-47716, which is a divisional appln. of JP 10-220219
T.R.C. ✓	✓	Chinese Office Action and English translation thereof mailed January 4, 2002 in corresponding Chinese Application No. 96111648

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